	Application No. Applicant(s)		
Notice of Allowability	09/737,540	LEE ET AL.	
	Examiner	Art Unit	
	Donghee Kang	2811	
The MAILING DATE of this communication apperal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 1. ☑ This communication is responsive to 01-28-05. 2. ☑ The allowed claim(s) is/are 1-6,8,9,18,20-23,25 and 26. 3. ☑ The drawings filed on 15 December 2000 are accepted by 4. ☑ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☑ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	(OR REMAINS) CLOSED or other appropriate common GHTS. This application is and MPEP 1308. the Examiner. der 35 U.S.C. § 119(a)-(der been received. been received in Application to fillent of this communication to fillent of this application.	in this application. If not included nunication will be mailed in due cours subject to withdrawal from issue at the course of th	se. THIS he initiative rom the
 6. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the deposit of the depos	it be submitted. Son's Patent Drawing Reviews S Amendment / Comment 84(c)) should be written on the header according to 37 Cosit of BIOLOGICAL MA	ew (PTO-948) attached or in the Office action of the drawings in the front (not the back FR 1.121(d). FERIAL must be submitted. Note	
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. Interview Paper No 98), 7. Examiner	Informal Patent Application (PTO-15) Summary (PTO-413), b./Mail Date s Amendment/Comment s Statement of Reasons for Allowand Congress Kang PRIMARY EXAMINES	ce —

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Steven M Mills on 02-23-05.

The application has been amended as follows:

At claim 1

In lines 8-9, delete "said second conductive layer being a single conductive layer; and"

In line 10, add - -a groove formed in said second insulation layer over the via hole in contact with the via hole, and having a width wider than a width of the via hole, the groove having a depth less than the thickness of said second insulation layer; and - - before a third conductive layer.

In line 10, "a groove" has been changed to - -the groove- -.

In line 11, delete "wherein said groove has a depth".

In line 11, add - -the third conductive layer having a thickness - -before less than.

In line 11, "a thickness" has been changed to - -the thickness- -

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At claim 18

In lines 9-10, delete "said second conductive layer being a single conductive layer; and"

In line 11, add - -a groove formed in said second insulation layer over the via hole in contact with the via hole, and having a width wider than a width of the via hole, the groove having a depth less than the thickness of said second insulation layer; and - - before a third conductive layer.

In line 11, "a groove" has been changed to - -the groove- -.

In line 12, delete "wherein said groove has a depth"

In line 12, add - -the third conductive layer having a thickness- -before less than.

In line 12, "a thickness" has been changed to - -the thickness- -.

Allowable Subject Matter

2. Claims 1-6,8-9, 18, 2023 & 25-26 are allowed.

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Donghee Kang whose telephone number is 571-272-1656. The examiner can normally be reached on Monday through Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Eddie C. Lee can be reached on 571-272-1732. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

DONGHEE KANG DIMARY EXAMINER

Kang Bayles

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